

CALIFORNIA ENERGY COMMISSION

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Main website: www.energy.ca.gov



**2013 Building Energy Efficiency Standards,
California Code of Regulations, Title 24,
Parts 1 and 6**

**Docket No. 12-BSTD-01
Resolution No. 14-1223**

**APPROVAL BY THE EXECUTIVE DIRECTOR OF THE PUBLIC DOMAIN
CALIFORNIA BUILDING ENERGY CODE COMPLIANCE (CBECC-RES) VERSION 3b1
RESIDENTIAL COMPLIANCE SOFTWARE**

The Executive Director hereby approves CBECC-Res Version 3b1 as the public domain alternative calculation method for demonstrating performance compliance with the residential provisions of the 2013 Building Energy Efficiency Standards, California Code of Regulations, Title 24, Part 6, and associated administrative regulations in Part 1, Chapter 10 (Standards).

The Warren-Alquist State Energy Resources Conservation and Development Act, Public Resources Code sections 25000 et seq., 25402.1, subd. (b), requires the Energy Commission to, among other things, establish a process for certifying calculation methods for demonstrating compliance with its building energy efficiency standards.

CBECC-Res version 3b1 incorporates corrections (bug fix) to the compliance manager that was previously approved by the Energy Commission on December 3, 2014, as part of the Application Programming Interface in the 2013 Public Domain California Building Energy Code Compliance - Residential (CBECC-Res) software, version 3b. CBECC-Res version 3b1 updates the following:

- Standard design assumptions for specific addition/alteration conditions (altering HVAC, altering distribution system, adding water heater),
- Fan efficacy in systems with heating only,
- Window area calculations in mass walls,
- Addition/alteration conditions, including adding windows to existing building, non-ducted heating combined with non-ducted cooling, and
- Air leakage for multiple attics.

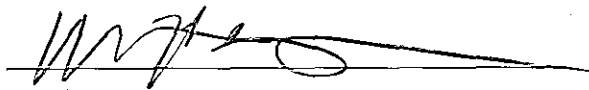
In approving CBECC-Res version 3 on August 27, 2014, the Energy Commission directed the Executive Director to take all actions reasonably necessary to ensure that CBECC-Res is maintained and revised to accurately estimate the energy use of residential buildings and demonstrate compliance with the 2013 Building Energy Efficiency Standards for buildings, including correcting functional errors.

By approving CBECC-Res version 3b1, approval of CBECC-Res version 3b expires for permit applications made on or after February 20, 2015, leaving as approved versions 3 and 3b1.

Vendors of the Alternative Calculation Methods EnergyPro version 6.3 and Right-Energy Title 24 v 1.1 must integrate the CBECC-Res Version 3b1 Compliance Manager Software and provide the Energy Commission with an updated copy of the software and user manual by January 1, 2016.

In solving these calculation errors, addressing these issues does not significantly affect compliance with the 2013 Building Energy Efficiency Standards.¹

Information for obtaining CBECC-Res Version 3b1 will be posted on the Energy Commission's 2013 Standards website for approved computer compliance programs: www.energy.ca.gov/title24/2013standards/2013_computer_prog_list.html.



ROBERT P. OGLESBY
Executive Director

¹ Cal. Code Regs., Title 24, Pt. 1, Ch. 10, and Pt. 6 (also known as the California Energy Code).